


NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM MECHANICAL POC.
2. REFER TO THE FOLLOWING LANL STANDARDS FOR ADDITIONAL REQUIREMENTS:
 - A. ENGINEERING MANUAL, MECHANICAL CHAPTER.
 - B. SPEC 01325, WATER DISCHARGE REQUIREMENTS.
 - C. SPEC 15140, POTABLE AND NON-POTABLE WATER PIPING.
 - D. MECHANICAL DRAWING ST-D2020-1, SITE/BUILDING WATER COMPONENT DIAGRAM.
3. BACKFLOW PREVENTERS (BFP) MAY BE STACKED OR INSTALLED SIDE-BY-SIDE PROVIDED THAT THE MINIMUM AND MAXIMUM CLEARANCE DIMENSIONS ARE MAINTAINED.
 - A. USE VERTICAL INSTALLATION (STACKED) WHERE POSSIBLE.
 - B. 12" MINIMUM CLEARANCE IS REQUIRED WHEN BACKFLOW PREVENTERS ARE INSTALLED SIDE-BY-SIDE.
4. PROVIDE FLOOR DRAIN TO SANITARY SEWER NEAR BFP. ROUTE BFP DRAIN PIPING TO MINIMIZE A TRIPPING HAZARD.
5. FOR ONE BFP, THE MINIMUM DRAIN PIPING SIZE IS THE SAME SIZE AS THE AIR GAP BFP PORT SIZE. FOR 2 OR MORE BFP'S ON THE SAME DRAIN PIPING, THE MINIMUM COLLECTING DRAIN PIPING SIZE IS THE SUM OF THE INDIVIDUAL DRAIN PIPING AREAS.
6. BFP INSTALLED MORE THAN 5 FEET ABOVE FLOOR SHALL BE PROVIDED WITH A PLATFORM CAPABLE OF SUPPORTING A TESTER OR MAINTENANCE PERSON (UPC REQUIREMENT).


DRAWING DEVELOPED FOR ML-3/
ML-4 PROJECTS. FOR ML-1/
ML-2, ADDITIONAL REQUIREMENTS
AND QA REVIEWS ARE REQUIRED.
{REMOVE THIS NOTE WHEN IN-
SERTED INTO A DRAWING PACK-
AGE}.

3	7-25-04	U	ENV NO. 816 67-015-3020-1.	RP	RF	AM	CR	TS
2	8-14-04	U	EDIFICAL CHANGES & DMS NO. 100 0110-1.	RP	RF	AM	CR	TS
1	8-4-05	U	REPLACES AND REVISED TO COMPLY WITH ESM MANUAL.	RP	RF	AM	CR	TS
NO	DATE	CLASS	DESCRIPTION	CHK	CHK	CHK	CHK	CHK

**FACILITY & WASTE OPERATIONS
DESIGN ENGINEERING CONSTRUCTION SERVICES**

ENGINEERING STANDARDS MANUAL		DRWN	REVISION
DESIGN		CHKD	APPROV
CHECKED		CHKD	APPROV
DATE		DATE	DATE

GLD X TA-X
SUBMITTED FOR RELEASE APPROVED FOR RELEASE
DESIGNED BY: JORDAN GIGLI FORDHAM MANAGER: JOHN GIGLI

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CLASSIFICATION	U	REVISION	DATE	REV
PROJECT	6	CHAPTER 6	ST-D2020-1	3